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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/054,967

DATE: 04/16/2002

TIME: 16:07:24

Input Set : N:\Crf3\RULE60\10054967.raw

Output Set: N:\CRF3\04162002\J054967.raw

## SEQUENCE LISTING

## 3 (I) GENERAL INFORMATION:

5 (i) APPLICANT: FREIDER, BRENT L.

6 RUBEN, SILVEN M.

7 OLSEN, HENRIK S.

8 RAGGIOLINI, MARCO

10 (ii) TITLE OF INVENTION: CHEMOFINE -6

12 (iii) NUMBER OF SEQUENCES 22

14 (iv) CORRESPONDENCE ADDRESS:

15 (A) ADDRESSEE: STERNE, KISSLER, GOLDSTEIN &amp; FOX P.L.L.C.

16 (B) STREET: 1100 NEW YORK AVENUE, SUITE 600

17 (C) CITY: WASHINGTON

18 (D) STATE: DC

19 (E) COUNTRY: USA

20 (F) ZIP: 20005-3974

22 (v) COMPUTER READABLE FORM

23 (A) MEDIUM TYPE: Floppy disk

24 (B) COMPUTER: IBM PC compatible

25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

28 (vi) CURRENT APPLICATION DATA:

C--&gt; 29 (A) APPLICATION NUMBER: US/10/054,967

C--&gt; 30 (B) FILING DATE: 25-Jan-2002

31 (C) CLASSIFICATION

32 (vii) PRIOR APPLICATION DATA

33 (A) APPLICATION NUMBER: US/08/995,156

34 (B) FILING DATE: Herewith

35 (A) APPLICATION NUMBER: 60/042,269

36 (B) FILING DATE: 31-MAR-1997

41 (viii) ATTORNEY/AGENT INFORMATION:

42 (A) NAME: STEFF, ERIC K

43 (B) REGISTRATION NUMBER: 36,688

44 (C) REFERENCE/DOCKET NUMBER: 1488,0340004

46 (ix) TELECOMMUNICATION INFORMATION:

47 (A) TELEPHONE: 202-371-2600

48 (B) TELEFAX: 202-371-2540

51 (2) INFORMATION FOR SEQ ID NO: 1:

53 (i) SEQUENCE CHARACTERISTICS:

54 (A) LENGTH: 800 base pairs

55 (B) TYPE: nucleic acid

56 (C) STRANDEDNESS: single

57 (D) TOPOLOGY: linear

58 (ii) MOLECULE TYPE: tRNA (tRNA-antic)

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62 (ix) FEATURE:
63 (A) NAME KEY: CDS
64 (B) LOCATION: 1..357
65 (ix) FEATURE:
66 (A) NAME KEY: sig_peptide
67 (B) LOCATION: 1..79
68 (ix) FEATURE:
69 (A) NAME KEY: mat_peptide
70 (B) LOCATION: 79..357
71 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
72
73
74
75
76
77 ATG GCA GGC CTG ATG ACC ATA GTA ACC AGC CTT CTG TTC CTT GGT GTC 48
78 Met Ala Gly Leu Met Thr Ile Val Thr Ser Leu Leu Phe Leu Gly Val
79 -26 -25 -20 -15
80
81 TGT GCC CAC CAC ATC ATC CCT ACG GGC TCT GIG GTC ATA CCC TCT CCC 96
82 Cys Ala His His Ile Ile Pro Thr Gly Ser Val Val Ile Pro Ser Pro
83 -10 -5 1 5
84
85 TGC TGC ATC TTC TTC GTT ICC AAG AGA AIT CCI GAG AAC CGA GIG GTC 144
86 Cys Cys Met Phe Phe Val Ser Lys Arg Ile Pro Glu Asn Arg Val Val
87 10 15 20
88
89 AGC IAC CAG CTG ICC AGC AGG AGC ACA TGC CTC AAG GCA GGA GIG ATC 192
90 Ser Tyr Gln Leu Ser Ser Arg Ser Thr Cys Leu Lys Ala Gly Val Ile
91 25 30 35
92
93 TTC ACC ACC AAG AAC GGC CAG CAG TTC TGT GGC GAC CCC AAG CAG GAG 240
94 Phe Thr Thr Lys Lys Gly Gln Phe Cys Gly Asp Pro Lys Gln Glu
95 40 45 50
96
97 TGG GTC CAG AAG IAC ATG AAG AAC CTG GAC GCC AAG CAG AAG AAG GGT 288
98 Trp Val Gln Arg Tyr Met Lys Asn Leu Asp Ala Lys Gln Lys Lys Ala
99 55 60 65 70
100
101 TCC CCT AGG SCC AGG GCA GTG GGT GTC AAG GCC CCI GTC CAG AGA IAT 336
102 Ser Pro Arg Ala Arg Ala Val Ala Val Lys Gly Pro Val Gln Arg Tyr
103 75 80 85
104
105 CCT GGC AAT TAA ACT ACC TGC TAA 360
106 Pro Gly Asn Gln Thr Thr Cys
107 90
108
109 (2) INFORMATION FOR SEQ ID NO: 2:
110 (i) SEQUENCE CHARACTERISTICS:
111 (A) LENGTH: 119 amino acids
112 (B) TYPE: amino acid
113 (D) TOPOLOGY: linear
114 (iii) MOLECULE TYPE: protein
115 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
116
117
118
119
120
121
122
123 Met Ala Gly Leu Met Thr Ile Val Thr Ser Leu Leu Phe Leu Gly Val
124 -26 -25 -20 -15
125
126 Cys Ala His His Ile Ile Pro Thr Gly Ser Val Val Ile Pro Ser Pro
127 -10 -5 1 5
128
129 Cys Cys Met Phe Phe Val Ser Lys Arg Ile Pro Glu Asn Arg Val Val
130 10 15 20
131
132 Ser Tyr Gln Leu Ser Ser Arg Ser Thr Cys Leu Lys Ala Gly Val Ile
133 25 30 35

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135 Ile Thr Thr Lys Lys Gly Glr Gln Phe Cys Gly Asp Pro Lys Gln Glu
136      40                      45                      50
138 Trp Val Gln Arg Tyr Met Lys Asn Leu Asp Ala Lys Gln Lys Lys Ala
139 55                      60                      65                      70
141 Ser Pro Arg Ala Arg Ala Val Ala Val Lys Gly Pro Val Gln Arg Tyr
142      75                      80                      85
144 Pro Gly Asn Gln Thr Thr Cys
145      90

```

147 (2) INFORMATION FOR SEQ ID NO: 3:

149 (i) SEQUENCE CHARACTERISTICS:

150 (A) LENGTH: 26 base pairs

151 (B) TYPE: nucleic acid

152 (C) STRANDEDNESS: double

153 (D) TOPOLOGY: linear

155 (ii) MOLECULE TYPE: DNA (genomic)

160 (xi) SEQUENCE DESCRIPTION: SEQ ID NO 3:

162 TCAGGAICCC CTACGGGCIC GTGGTC

26

164 (2) INFORMATION FOR SEQ ID NO 4:

166 (i) SEQUENCE CHARACTERISTICS:

167 (A) LENGTH: 26 base pairs

168 (B) TYPE: nucleic acid

169 (C) STRANDEDNESS: double

170 (D) TOPOLOGY: linear

172 (ii) MOLECULE TYPE: DNA (genomic)

177 (xi) SEQUENCE DESCRIPTION: SEQ ID NO 4:

179 TGACCGGCAG CAAAATGAGA TCTGGC

26

181 (2) INFORMATION FOR SEQ ID NO: 5:

183 (i) SEQUENCE CHARACTERISTICS:

184 (A) LENGTH: 99 amino acids

185 (B) TYPE: amino acid

186 (D) TOPOLOGY: linear

188 (ii) MOLECULE TYPE: protein

193 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:

195 Met Lys Val Ser Ala Ala Leu Leu Cys Leu Leu Leu Ile Ala Ala Thr

196 1 5 10 15

198 Phe Ile Pro Gln Gly Leu Ala Gln Pro Asp Ala Ile Asn Ala Pro Val

199 20 25 30

201 Thr Cys Cys Tyr Asn Phe Thr Asn Arg Lys Ile Ser Val Gln Arg Leu

202 35 40 45

204 Ala Ser Tyr Arg Arg Ile Thr Ser Ser Lys Cys Pro Lys Glu Ala Val

205 50 55 60

207 Ile Phe Lys Thr Ile Val Ala Lys Glu Ile Cys Ala Asp Pro Lys Gln

208 65 70 75 80

210 Lys Trp Val Gln Asp Ser Met Asp His Leu Asp Lys Gln Thr Gln Thr

211 85 90 95

213 Pro Lys Thr

217 (2) INFORMATION FOR SEQ ID NO: 6:

219 (i) SEQUENCE CHARACTERISTICS:

220 (A) LENGTH: 285 base pairs

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221      (B) TYPE: nucleic acid
222      (C) STRANDEDNESS: double
223      (D) TOPOLOGY: linear
225      (ii) MOLECULE TYPE: cDNA
230      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
232 AIGGTGGTTA TACCTTCCTC GTGCTGCATG TCTTGTGTA GCAAGCGCAT TCTTGAAAAAC      60
234 CGTGTGGTCA GCIACCAGCT GTCCAGCCGC AGCACCIGCC TGAAAGCTGG CGTGAATCTC      120
236 ACCACCAAAA AGGGCCAGCA GTCTGTGGC GACCCGAAAC AAGAGTGGGT CCAGCGTAC      180
238 ATGAAAAACC TGGACGCCAA ACAGAAGAAA GCTTCCCTC GTGCCCGGC AGTGGCTGTC      240
240 AAAGGCCCTG TCAGCGTAA TCCGGGCAAC CAAACCACCT GCTAA      285
242 (2) INFORMATION FOR SEQ ID NO: 7:
244      (i) SEQUENCE CHARACTERISTICS:
245          (A) LENGTH: 96 base pairs
246          (B) TYPE: nucleic acid
247          (C) STRANDEDNESS: single
248          (D) TOPOLOGY: linear
250      (ii) MOLECULE TYPE: cDNA
255      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
257 GATCCCATGG TGTATACC TCTCCGTG TCGATGTCT TTGTAAGCA GCGCATTCCT      60
259 GAAACCGTGT GTTCAGCTA CCAGTGTCC AGCCGC      96
261 (2) INFORMATION FOR SEQ ID NO: 8:
263      (i) SEQUENCE CHARACTERISTICS:
264          (A) LENGTH: 97 base pairs
265          (B) TYPE: nucleic acid
266          (C) STRANDEDNESS: single
267          (D) TOPOLOGY: linear
269      (ii) MOLECULE TYPE: cDNA
274      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
276 GTTCTGGGTC GGTACAGAAC TGTGGCCCT TTCTGGGT GAAGATCAG CCAGCTTCA      60
278 GGCAGGTGCT GCGGTGCAC AGCTGGTAC TACCCAC      97
280 (2) INFORMATION FOR SEQ ID NO: 9:
282      (i) SEQUENCE CHARACTERISTICS:
283          (A) LENGTH: 98 base pairs
284          (B) TYPE: nucleic acid
285          (C) STRANDEDNESS: single
286          (D) TOPOLOGY: linear
288      (ii) MOLECULE TYPE: cDNA
293      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
295 AAGGGCCAGC AGTCTGTG GACCCGAAA CAAGAGTGGG TCAGCGTAA ATGAAAAAC      60
297 CTGGACGCCA AACAGAAGAA AGTTTCCCT CGTCCCG      98
299 (2) INFORMATION FOR SEQ ID NO: 10:
301      (i) SEQUENCE CHARACTERISTICS:
302          (A) LENGTH: 99 base pairs
303          (B) TYPE: nucleic acid
304          (C) STRANDEDNESS: single
305          (D) TOPOLOGY: linear
307      (ii) MOLECULE TYPE: cDNA
312      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
314 AATGATATC TTAGAGGAG GTTGTGTC CAGATAAG CTAAATAAT TTCTGACAG

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316 CCACGCGCGG GGCACGAGGG GAAGCTTTCI TGTGTTGG          33
318 (2) INFORMATION FOR SEQ ID NO: 11:
320 (i) SEQUENCE CHARACTERISTICS:
321 (A) LENGTH: 34 base pairs
322 (B) TYPE: nucleic acid
323 (C) STRANDEDNESS: single
324 (D) TOPOLOGY: linear
326 (ii) MOLECULE TYPE: cDNA
331 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
333 GACGGATCCC CATATGGTGG TTAACCTC TCCG          34
335 (2) INFORMATION FOR SEQ ID NO: 12:
337 (i) SEQUENCE CHARACTERISTICS:
338 (A) LENGTH: 32 base pairs
339 (B) TYPE: nucleic acid
340 (C) STRANDEDNESS: single
341 (D) TOPOLOGY: linear
343 (ii) MOLECULE TYPE: cDNA
348 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
350 GACTGGTACC TTAGCAGGTG GTTGGTGC CC          32
352 (2) INFORMATION FOR SEQ ID NO: 13:
354 (i) SEQUENCE CHARACTERISTICS:
355 (A) LENGTH: 36 base pairs
356 (B) TYPE: nucleic acid
357 (C) STRANDEDNESS: single
358 (D) TOPOLOGY: linear
360 (ii) MOLECULE TYPE: cDNA
365 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
367 GACTGGTACC TTAACAAGCA GGGGAAGCTT TTTCT          36
369 (2) INFORMATION FOR SEQ ID NO: 14:
371 (i) SEQUENCE CHARACTERISTICS:
372 (A) LENGTH: 37 base pairs
373 (B) TYPE: nucleic acid
374 (C) STRANDEDNESS: single
375 (D) TOPOLOGY: linear
377 (ii) MOLECULE TYPE: cDNA
382 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
384 GACTGGTACC TTAACAAGCT ACTGCGGGG CAGGAG          37
386 (2) INFORMATION FOR SEQ ID NO: 15:
388 (i) SEQUENCE CHARACTERISTICS:
389 (A) LENGTH: 34 base pairs
390 (B) TYPE: nucleic acid
391 (C) STRANDEDNESS: single
392 (D) TOPOLOGY: linear
394 (ii) MOLECULE TYPE: cDNA
399 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
401 GACTTATAG GTTAATTT TTTGGTGTG CATG          34
403 (2) INFORMATION FOR SEQ ID NO: 16:
405 (i) SEQUENCE CHARACTERISTICS:
406 (A) LENGTH: 31 base pairs

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/054,967

DATE: 04/16/2002

TIME: 16:07:25

Input Set : N:\Crf3\RULE60\10054967.raw

Output Set: N:\CRF3\04162002\J054967.raw

L:29 M:229 C: Keyword misspelled or invalid format. [(A) APPLICATION NUMBER:]

L:30 M:229 C: Keyword misspelled or invalid format. [(B) FILING DATE:]